Subject: Re: 3D histogram + sensible thresholding
Posted by dow on Sat, 14 Aug 2004 22:35:08 GMT
View Forum Message <> Reply to Message

Hi David,

Thanks for your suggestions.

David Fanning <davidf@dfanning.com> wrote in message
news:<MPG.1b86b24e166a1ab5989830@news.frii.com>...
>
> I don't know of anything built into IDL, but it
> would be easy to build yourself. You could easily,
> for example, figure out how to do a 1 standard deviation
> stretch, or something of the sort.

Could that fairly easily be built into XSTRETCH?

> There is nothing in the histogram part of XSTRETCH that
> precludes using a 3D array. The only thing 2D about XSTRETCH
> is that it assumes a 2D image array to display.

So if I modify the code to display one slice of the 3D array it should
work? The histogram would represent the 3D data?

> What would you be displaying in a 3D array?

We've communicated about my data before - you might remember the x-ray
tomography data of air and water flow in soils I showed you when you
were in Copenhagen. I didn't use my full name (Dorthe Wildenschild)
when I signed up for the news group.
I've got data sets that are spread differently across the "color"
(grey scale) spectrum, so I'm trying to find a threshold for one phase
(the air) that will work for several volumes representing different
saturations. Xstretch is such a nice tool for playing around with the
cutoff, but I would like to take a more scientific approach than
setting it to the value I think "looks" best.

Cheers,
Dorthe